

ENVIRONMENTAL TESTING LABORATORY

TEL: 618-344-1004

FAX: 618-344-1005

**Client:** Tetra Tech, Inc.  
**Project:** T16722-09  
**LabOrder:** 08090289  
**Report Date:** 12-Sep-08

## CASE NARRATIVE

**Cooler Receipt Temp:** 6.0 °C

### State accreditations:

KS: NELAP #E-10347 | KY: UST #0073 | MO: DNR #00930 | AR: ADEQ #70-028-0

### Qualifiers

<b>DF</b> - Dilution Factor	<b>B</b> - Analyte detected in the associated Method Blank	<b>C</b> - Client requested RL below
<b>RL</b> - Reporting Limit	<b>J</b> - Analyte detected below reporting limits	<b>D</b> - Diluted out of sample
<b>ND</b> - Not Detected at the Reporting Limit	<b>R</b> - RPD outside accepted recovery limits	<b>E</b> - Value above quantitation range
<b>Surr</b> - Surrogate Standard added by lab	<b>S</b> - Spike Recovery outside accepted recovery limits	<b>H</b> - Holding time exceeded
<b>TNTC</b> - Too numerous to count ( > 200 CFU )	<b>X</b> - Value exceeds Maximum Contaminant Level	<b>MI</b> - Matrix interference
<b>Q</b> - QC criteria failed or noncompliant CCV	<b>#</b> - Unknown hydrocarbon	<b>DNI</b> - Did not ignite
<b>NELAP</b> - IL ELAP and NELAP Accredited Field of Testing	<b>IDPH</b> - IL Dept. of Public Health	

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## LABORATORY RESULTS

Client: Tetra Tech, Inc.  
WorkOrder: 08090289  
Lab ID: 08090289-001  
Report Date: 12-Sep-08

Client Project: T16722-09  
Client Sample ID: Oil in sandy drum  
Collection Date: 8/23/2008 11:15:00 AM  
Matrix: LIQUID WASTE

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Analyst
<b>SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS</b>								
Benzene	NELAP	0.100	XH	1.07	mg/L	50	9/11/2008 1:23:00 PM	CCF
Surr: 1,2-Dichloroethane-d4		74.7-129	H	97.5	%REC	50	9/11/2008 1:23:00 PM	CCF
Surr: 4-Bromofluorobenzene		86-119	H	97.6	%REC	50	9/11/2008 1:23:00 PM	CCF
Surr: Dibromofluoromethane		81.7-123	H	102.7	%REC	50	9/11/2008 1:23:00 PM	CCF
Surr: Toluene-d8		84.3-114	H	97.9	%REC	50	9/11/2008 1:23:00 PM	CCF

### Sample Narrative

**Client:** Tetra Tech, Inc.  
**Project:** T16722-09  
**Lab Order:** 08090289  
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## RECEIVING CHECK LIST

Carrier: Paul Smith

Received By: EC

Completed by:

On:

09-Sep-08

*Erika K. Starman*

Erika K. Starman

Reviewed by:

On:

10-Sep-08

*Marvin L. Darling II*

Marvin L. Darling

Pages to follow: Chain of custody

Extra pages included

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 6.0
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		
Reported field parameters measured:	Field <input type="checkbox"/>	Lab <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		

*When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.*

Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Any No responses must be detailed below or on the COC.

Samples received did not meet hold time requirements. Continue with analysis per Bob Bessent. 9/9/08 HAW

pg. \_\_\_\_ of \_\_\_\_ Work Order # 88090289

**TEKLAB, INC.** 5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

Client: TETRA TECH, INC.  
Address: 1634 EASTPORT PLAZA DRIVE  
City / State / Zip: COLTARVILLE, IL 62234  
Contact: BOB BESSENT Phone: 618-343-2352  
E-Mail: robert.bessent@tetratech.com Fax: 618-345-1281

- Are these samples known to be involved in litigation? If yes, a surcharge will apply. ☐ Yes ☒ No
- Are these samples known to be hazardous? ☐ Yes ☒ No
- Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in comment section. ☐ Yes ☒ No *TCED BE/BCE/LIMITED*

Samples on: ☐ Ice ☒ Blue Ice ☐ No Ice 10.0 °C

Preserved in: ☐ Lab ☐ Field

Lab Notes:

Comments:

① KEPT COLD IN REFRIGERATOR

② OIL SAMPLE (PROBABLY CRUDE) FLOATING ON OILY SAND DRUM

[illegible]

The individual signing this agreement on behalf of client acknowledges that he/she has read and understands the terms and conditions of this agreement, on the reverse side, and that he/she has the authority to sign on behalf of client.

WHITE & YELLOW - LAB    PINK - SAMPLER'S COPY